International Application No T/US2004/027076

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K38/18 A61P19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ \text{IPC 7} & \text{A61K} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE, CHEM ABS Data

	ENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the	oo relevant nassanes	Relevant to claim No.		
Category °	Chatton of document, with indication, where appropriate, or the	e reievani passages			
X	EP 0 302 847 A (THE UNIVERSITY AT BALTIMORE; MINNESOTA MINING MANUFACT) 8 February 1989 (198	1-6,8,9, 12, 25-36, 39-48, 51, 83-89, 92-98			
Y	page 2, line 52 - page 3, line	1-98			
X	WO 93/00935 A (BRITISH TECHNOL LTD) 21 January 1993 (1993-01-	1-6,8,9, 12, 25-36, 39-48, 51, 83-89, 92-98			
Υ	claim 9; example 3	-/			
χ Fur	ther documents are listed in the continuation of box C.	γ Patent family members a	re listed in annex.		
"A" docum consi "E" earlier filing "L" docum which citatic "O" docum other	ategories of cited documents: ment defining the general state of the art which is not idered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or h is cited to establish the publication date of another on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or reans ment published prior to the international filing date but than the priority date claimed	or priority date and not in col- cited to understand the princ invention "X" document of particular releval cannot be considered novel involve an inventive step wh "Y" document of particular releval cannot be considered to invo- document is combined with o ments, such combination be in the art.	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled		
Date of the	e actual completion of the international search	Date of mailing of the internal	Date of mailing of the international search report		
:	17 March 2005	29/03/2005			
Name and	I mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,	Authorized officer Durrenberger			

International Application No T/US2004/027076

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	4
Category °		Relevant to claim No.
X	UEMURA T ET AL: "Transplantation of cultured bone cells using combinations of scaffolds and culture techniques" BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 24, no. 13, June 2003 (2003-06), pages 2277-2286, XP004420018 ISSN: 0142-9612 page 2283, left-hand column	1-6,8,9, 12, 25-36, 39-48, 51, 83-89, 92-98
X	SAUK JOHN J ET AL: "Use of a phosphophoryn-Ca2+-collagen composition that mimics a mineralization front in unicoirtial defects in long bones" JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, WILEY, NEW YORK, NY, US, vol. 25, 1991, pages 609-619, XP002967764 ISSN: 0021-9304	1-6,8,9, 12, 25-36, 39-48, 51, 83-89, 92-98
Y	RITCHIE H H ET AL: "SIX DECADES OF DENTINOGENESIS RESEARCH HISTORICAL AND PROSPECTIVE VIEWS ON PHOSPHOPHORYN AND DENTIN SIALOPROTEIN" EUROPEAN JOURNAL OF ORAL SCIENCES, MUNKSGAARD INTERNATIONAL PUBLISHERS, COPENHAGEN,, DK, vol. 106, no. SUPPL 1, 1998, pages 211-220, XP009025035 ISSN: 0909-8836 page 213, left-hand column, last paragraph	1-98
Υ	WO 95/24210 A (GENETICS INSTITUTE, INC) 14 September 1995 (1995-09-14) the whole document	10,11, 22,23, 37,38, 49,50, 62,63, 78,79, 90,91



Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claims 1-82 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an externt that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Information on patent family members

International Application No				
	International Application No T/US2004/027076			

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